



DEVELOPMENT SERVICES DEPARTMENT  
ENVIRONMENTAL COORDINATOR  
450 110<sup>th</sup> AVENUE NE, P.O. BOX 90012  
BELLEVUE, WA 98009-9012

## DETERMINATION OF NON-SIGNIFICANCE

**PROPONENT:** AT&T Mobility

**LOCATION OF PROPOSAL:** 2803 156<sup>th</sup> Avenue SE

**DESCRIPTION OF PROPOSAL:** Administrative Conditional Use approval to modify an existing WCF facility by adding 3 LTE antennas, replacing 6 panel antennas with 6 new panel antennas along with associated equipment on an existing 196 foot lattice tower.

**FILE NUMBER:** 12-108311 LA

The Environmental Coordinator of the City of Bellevue has determined that this proposal does not have a probable significant adverse impact upon the environment. An Environmental Impact Statement (EIS) is not required under RCW 43.21C.030(2)(C). This decision was made after the Bellevue Environmental Coordinator reviewed the completed environmental checklist and information filed with the Land Use Division of the Development Services Department. This information is available to the public on request.

- ☐ There is no comment period for this DNS. There is a 14-day appeal period. Only persons who submitted written comments before the DNS was issued may appeal the decision. A written appeal must be filed in the City Clerk's office by 5:00 p.m. on \_\_\_\_\_.
- ☒ This DNS is issued after using the optional DNS process in WAC 197-11-355. There is no further comment period on the DNS. There is a 14-day appeal period. Only persons who submitted written comments before the DNS was issued may appeal the decision. A written appeal must be filed in the City Clerk's Office by 5 p.m. on June 28, 2012.
- ☐ This DNS is issued under WAC 197-11-340(2) and is subject to a 14-day comment period from the date below. Comments must be submitted by 5 p.m. on \_\_\_\_\_. This DNS is also subject to appeal. A written appeal must be filed in the City Clerk's Office by 5 p.m. on \_\_\_\_\_.

This DNS may be withdrawn at any time if the proposal is modified so that it is likely to have significant adverse environmental impacts; if there is significant new information indicating, or on, a proposals probable significant adverse environmental impacts (unless a non-exempt license has been issued if the proposal is a private project); or if the DNS was procured by misrepresentation or lack of material disclosure.

Carle McLeod  
Environmental Coordinator

6/4/12  
Date

**OTHERS TO RECEIVE THIS DOCUMENT:**

State Department of Fish and Wildlife  
State Department of Ecology,  
Army Corps of Engineers  
Attorney General  
Muckleshoot Indian Tribe



**City of Bellevue  
Development Services Department  
Land Use Staff Report**

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Proposal Name: **AT&T Phantom Lake 2**

Proposal Address: 2803 156<sup>th</sup> Avenue SE

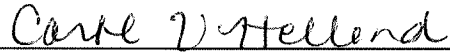
Proposal Description: Administrative Conditional Use approval to modify an existing WCF facility by adding 3 LTE antennas, replacing 6 panel antennas with 6 new panel antennas along with associated equipment on an existing 196 foot lattice tower.


File Number: **12-108311 LA**

Applicant: AT&T Mobility

Decisions Included: Administrative Conditional Use Permit (Process II)

Planner: Antoinette Pratt, Senior Planner, (425) 452-5374

State Environmental Policy Act  
Threshold Determination: **Determination of Non-Significance (DNS)**  
  
Carol V. Helland  
Environmental Coordinator

Director's Recommendation: **Approval with Conditions**  
Michael A. Brennan, Director  
Development Services Department  
By:   
Carol V. Helland, Land Use Director

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Application Date: March 13, 2012  
Public Notice (500 feet): April 5, 2012  
Minimum Comment Period: April 19, 2012  
**Bulletin Publication Date: June 14, 2012**

For information on how to appeal a proposal, visit Development Services at City Hall or call (425) 452-4570. Comments on State Environmental Policy Act (SEPA) Determinations can be made with or without appealing the proposal within the noted comment period for a SEPA Determination. Appeal of the Decision must be received in the City's Clerk's Office by 5 PM on the date noted for appeal of the decision.

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## I. Request/Proposal Description

AT&T requests Administrative Conditional Use approval to modify an existing wireless communication facility (WCF) and existing 196 foot lattice tower located on property owned by the Washington State Patrol (WSP). AT&T is proposing to add three (3) new long term evolution panels (4G) LTE, and replace 6 existing panel antennas with 6 new panel antennas on a new H-frame to upgrade its existing installation on this tower. The proposed change will add 4G technology to the site and would expand AT&T's 4G footprint in the Bellevue. AT&T's research shows that this site currently has a very high volume of 3G traffic. The new 4G technology will improve the internet/data experience for customers in the area.

AT&T also proposes to mount ancillary equipment in the form of six (6) remote radio head (RRH) units along with associated cabling. AT&T will replace six (6) existing Tower Mounted Amplifiers (TMA's) with six (6) new TMA's. A new LTE equipment cabinet will be added to the existing equipment compound located at the base of the lattice tower. However, no expansion will occur to this compound. AT&T's radio frequency (RF) engineer has reviewed this proposal and determined that this modification will not interfere with other communication facilities. It will also transmit within the range specified by the FCC. The RF engineer's report and propagation maps are available for viewing in the City's project file.

## II. Site Description and Context

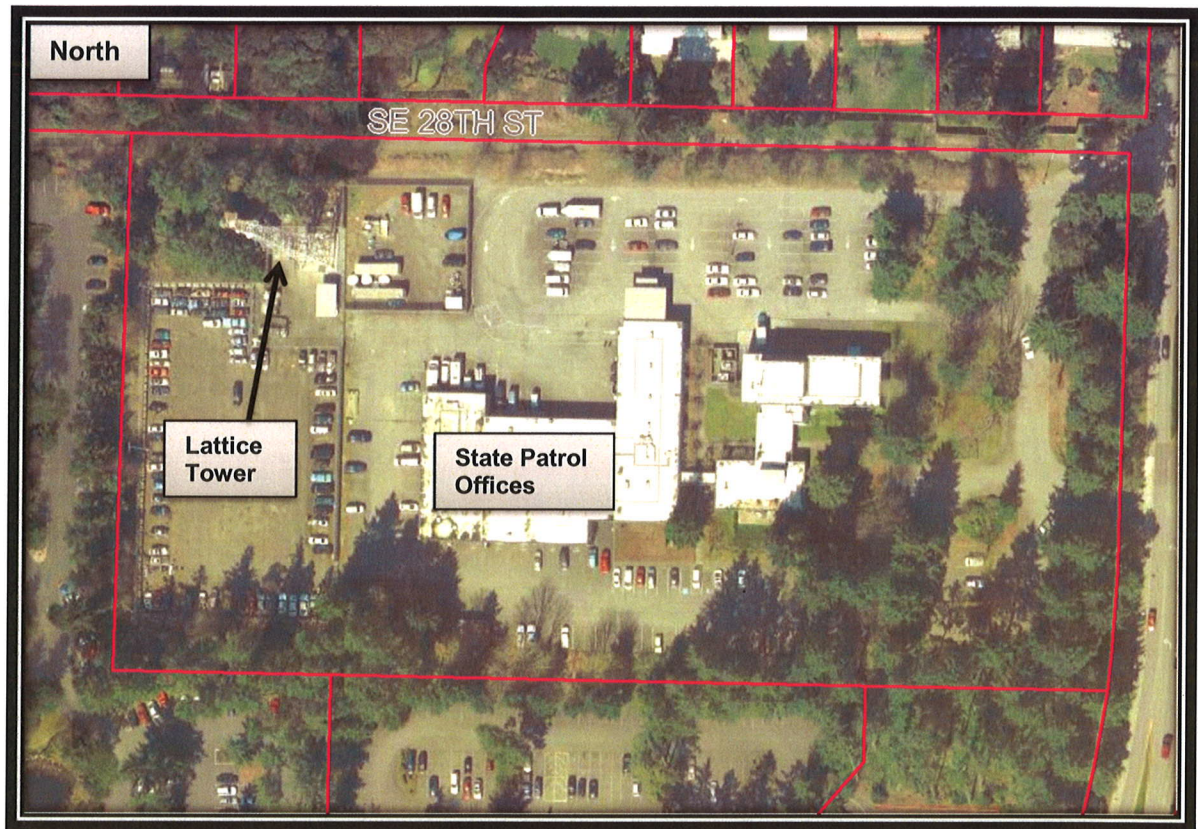


The site is considered a multi-fronting lot that fronts on two streets: SE 28<sup>th</sup> Street and 156<sup>th</sup> Avenue SE. The site is surrounded by single-family uses to the north and Office uses to the south, west, and east. The project site lies within the Single Family Residential (R-5) land use district as shown on the zoning map above. Wireless communication facilities (WCF's) are permitted within residential districts on private property based on Land Use Code (LUC) 20.10.440, footnote 14:

(14) *Wireless communication facilities (WCFs) are not permitted on any residential structure, undeveloped site located in a residential land use district, or site that is developed with a residential use. **This note does not prohibit locating WCF:** a) on any residential structure or undeveloped site in R-20 or R-30 Land Use Districts; or b) on any nonresidential structure (i.e., churches, schools, public facility structures, utility poles, etc.) or in public rights-of-way in any residential land use district. (Emphasis added)*



The WSP has a lattice tower located near the northwest corner of their property. This tower was erected in the 1970's to meet their transmission needs. In addition to the WSP's wireless/microwave technology, there are three existing wireless carriers co-located on this tower. No height extension is necessary with this application.



### **III. Environmental Impacts of the Proposal**

The environmental review (refer to project file, City Hall Records Office) indicates no probability of significant adverse environmental impacts occurring as a result of the proposal. The Environmental Checklist submitted with the application adequately discloses expected environmental impacts associated with the project. The City codes and requirements, including the Clear and Grade Code, Utility Code, Land Use Code, Noise Ordinance, Building Code and other construction codes adequately mitigate expected environmental impacts. Therefore, issuance of a Determination of Non-Significance is the appropriate threshold determination under the State Environmental Policy Act requirements.

### **IV. Public Comment and Response**

As of the date of this staff report, no written correspondence has been received on this proposal.



#### IV. Applicable Decision Criteria / Findings and Conclusions

Compliance with the decision criteria of Land Use Code section 20.30E.140 is discussed below.

##### A. The administrative conditional use is consistent with the Comprehensive Plan.

Finding: This proposal is consistent with Bellevue's Comprehensive Plan policies regarding such facilities. The Comprehensive Plan policies listed below from the Utility Element have been considered in support of the City's decision regarding this site:

- (1) UT-40. Require the reasonable screening and/or architecturally compatible integration of all new above-ground utility facilities.
- (2) UT-40a. Protect Bellevue's aesthetic quality and infrastructure investment from unnecessary degradation caused by the construction of telecommunication infrastructure.
- (3) UT-43. Encourage consolidation on existing facilities where reasonably feasible and where such consolidation leads to fewer impacts than would construction of separate facilities.
- (4) UT-55. Require the placement of personal wireless communication facilities in a manner that minimizes the adverse impacts on adjacent land uses.
- (5) UT-59. Recognize that personal wireless communication facilities will be deployed in all areas of the city to provide coverage and capacity consistent with the changing use of wireless technology. Minimize the attendant impacts, particularly the visual impacts, of personal wireless communication facility towers, lattice towers and structures by utilizing criteria for the design and location of such facilities that appropriately balance the need for wireless services and the impacts of the necessary facilities.
- (6) UT-60. Minimize visual impacts of personal wireless communication facilities by encouraging deployment in land use districts in the following preferred and descending order when possible, considering the provider's coverage needs: 1) Nonresidential land use districts, except Transition Areas; 2) Transition Areas; 3) Multifamily (R-20 and R-30) districts; and 4) and Park sites and Residential districts.
- (7) UT-61. Minimize visual impacts of personal wireless communication facilities by encouraging system designs in the following preferred and descending order: 1) attached to public facility structures, building mounted, or integrated with utility poles, light standards, and signal supports; 2) co-located on utility poles, light standards, signal supports; and 3) free standing towers.

AT&T's proposal is consistent with these policies, since significant efforts are being made to minimize visual intrusion, as summarized under criteria B below. They are also utilizing an existing WCF located on WSP's site while still achieving AT&T's coverage and capacity needs, as summarized under criterion E below. It is also worth noting that AT&T has also achieved consistency with UT-43 (*encourage consolidation*) since this lattice tower has been in existence since the 1970's and currently supports the co-location of three wireless carriers.

This new installation is considered the most preferred system design alternative among the options listed in LUC 20.20.195.D.2.a. The proposed configuration will be compatible with the existing character of this area with minimal changes to the existing lattice tower. No other preferred alternatives were identified within the search area given the fact that AT&T (previously GTE) has maintained a cellular tower on this site since 1997 per previous land use approval (97-6164 CE). The existing AT&T array is located at 98 feet on the 196 foot lattice tower. The array is located in between two wireless providers also located on this tower. AT&T will not modify its existing location on this tower but will simply remove the existing panels in favor of the proposed installation.

**B. The design is compatible with and responds to the existing or intended character, appearance, quality of development and physical characteristics of the subject property and immediate vicinity.**

**Finding:** To ensure that the facility is compatible with the subject property and surrounding vicinity, the proposal incorporates the following measures:

- (1) No modifications will be made to the existing lattice tower. It will remain in its current configuration.
- (2) The three LTE and six panel antennas will be flush-mounted in the same location where AT&T is currently located (98 feet) (see Section VI for related condition). The antennae will be required to be painted to match the lattice tower (see Section VI for related condition). The proposed antenna style, attachment method, and paint treatment will result in a facility that respects the lattice tower and neighborhood.
- (3) The ancillary equipment will be located within an existing storage compound at the base of the transmission tower.
- (4) The associated coax and cabling will be mounted on the leg of the transmission tower and pulled tight (see sheet A-4). The lines will match the color of the existing tower to blend in with the legs of the tower. See Section VI for related condition.

**C. The administrative conditional use will be served by adequate public facilities including streets, fire protection, and utilities**

**Finding:** The proposed facility will be located on the WSP's property. The site is already served by adequate public facilities including streets and fire protection. Transportation has included one condition on this proposal requiring that a Right-of-Way Use Permit will be required if any portion of the right of way is used for staging equipment etc. Additionally, each franchise utility must obtain their own permit; i.e. Qwest communications currently has fiber to this cell site; if access to that fiber is required, Qwest will need to obtain a Right of Way Use Permit to access their facilities; likewise with PSE as their facilities are also located along SE 28th St. See Section VI for related condition.



**D. The administrative conditional use will not be materially detrimental to uses or property in the immediate vicinity of the subject property.**

**Finding:** The project, as proposed, will not be materially detrimental to the adjacent neighborhood. To ensure that this facility is maintained, this report includes a condition of approval which requires that the facility be removed when it ceases to be operational or if it falls into disrepair. See Section VI for related condition.

**E. The administrative conditional use complies with the applicable requirements of the Land Use Code.**

**Finding:** The proposal meets all Land Use Code requirements applicable to non-exempt wireless communications facilities per LUC 20.20.195.D 1-9.

**V. Decision**

After conducting the various administrative reviews associated with this proposal, including applicable land use consistency, SEPA, and City Code and Standard compliance reviews, the Development Services Department does hereby **APPROVE** the proposal subject to the following conditions:

**VI. Conditions of Approval**

- 1. Paint to Match:** The antennas and all ancillary components shall be painted to match the lattice tower.  
REVIEWER: Toni Pratt, (425) 452-5374  
AUTHORITY: LUC 20.20.195.B.1.a.v
- 2. Cabling:** All cable connections to each antenna shall be mounted to the tower leg and pulled tight. The cabling shall also be painted to minimize visual impacts from the right-of-way and surrounding properties.  
REVIEWER: Toni Pratt, (425) 452-5374  
AUTHORITY: LUC 20.20.195.B.1.a.iii
- 3. Flush-Mount:** The antennas & microwave dishes shall be flush-mounted and no more than six inches from the face of the attachment bracket (H-frame).  
REVIEWER: Toni Pratt, (425) 452-5374  
AUTHORITY: LUC 20.20.195.B.1.a.v
- 4. Removal of Abandoned Sites:** The owner of this facility shall provide the Director with copies of any notice of intent to cease operations that is provided to the Federal Communications Commission. The entire facility shall be removed by the facility owner within 90 days of the date it ceases to be operational, or if the facility falls into disrepair and is not maintained. Disrepair includes structural features, paint, or general lack of maintenance, which could result in safety or visual impacts.  
REVIEWER: Toni Pratt, (425) 452-5374  
AUTHORITY: LUC 20.20.195.D.8

- 5. Right of Way Use Permit:** Right-of-Way Use Permit will be required if any portion of the right of way is used for staging equipment etc. Additionally, each franchise utility must obtain their own permit; i.e. Qwest communications currently has fiber to this cell site; if access to that fiber is required, Qwest will need to obtain a Right of Way Use Permit to access their facilities; likewise with PSE as their facilities are also located along SE 28th St.
- a. Designated truck hauling routes.
  - b. Truck loading and unloading activities.
  - c. Hours of construction and hauling.
  - d. Continuity of pedestrian facilities.
  - e. Temporary traffic control and pedestrian detour routing for construction activities.
  - f. Street sweeping and maintenance during excavation and construction.
  - g. Location of construction fences.
  - h. Parking for construction workers.
  - i. Construction vehicles, equipment, and materials in the right of way.
  - j. All other construction activities as they affect the public street system.

REVIEWER: Dottie Schmidt, 425.452.2888

AUTHORITY: BCC 14.30 and 14.60.250

## **Attachments**

Project Plans





PHANTOM LAKE 2  
WA6431

2803 156TH AVE SE  
BELLEVUE, WA 98007

## PROJECT INFORMATION

PROJECT DESCRIPTION

AT&T PROPOSES TO MODIFY AN EXISTING UNSTAFFED RADIO TELECOMMUNICATIONS FACILITY BY REPLACING THE EXISTING (1) PANEL ANTENNAS, ADDING (6) NEW PANEL ANTENNAS, ADDING (3) NEW LTE PANEL ANTENNAS (9 ANTENNAS TOTAL), PLUS (6) RRH UNITS, ADDING (6) LINES, AND REPLACING EXISTING (6) TWA'S WITH (6) NEW TWIN TWA'S AT ANTENNA LEVEL. AT&T ALSO PROPOSES TO ADD A NEW PURCELL CABINET TO EXISTING CONCRETE PAD.

APPLICANT

AT&T MOBILITY  
RTC BUILDING 3  
16221 NE 72ND WA  
REDMOND, WA 9805

**CODE INFORMATION**

ZONING CLASSIFICATION: R-5  
BUILDING CODE: 2009 IBC/2010 STRUCTURAL SPECIALTY CODE  
CONSTRUCTION TYPE: IIB

## JURISDICTION: CITY OF

CURRENT USE: TELECOMMUNICATIONS  
PROPOSED USE: TELECOMMUNICATIONS  
SITE LOCATION: (BASED ON AERIAL PHOTOGRAPH)

LONGITUDE: -122° 8' 7.2" W

TOP OF STRUCTURE AGL: 196'-0"  
BASE OF STRUCTURE AMSL: 39'

## 2706504711

### GENERAL INFORMATION

1. PARKING REQUIREMENTS ARE UNCHANGED.
2. TRAFFIC IS UNAFFECTED.

## PROJECT TEAM

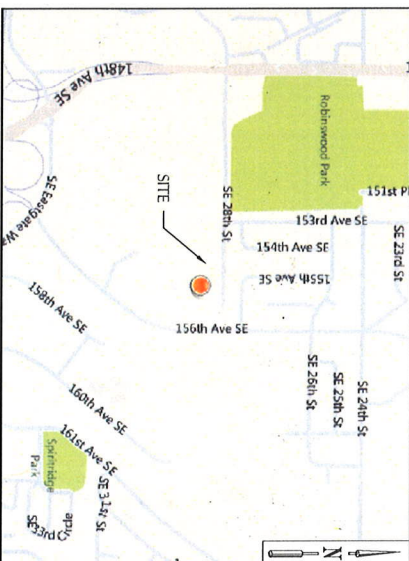
## PROJECT ARCHITECT

RICHARD B. HALL, AIA  
PACIFIC TELECOM SERVICES, LLC  
111 S. JACKSON ST # 200  
SEATTLE, WA 98104

EMAIL: POANNERBERG@PTSWA.CA

\_\_\_\_\_

## VICINITY MAP



## DRIVING DIRECTIONS

[illegible][illegible]

## DRAWING INDEX

SHEET		DESCRIPTION
1-1	TITLE SHEET	
G-1	GENERAL NOTES	
G-2	GENERAL NOTES & SYMBOLS	
A-1	SITE PLAN	
A-2	EXISTING COMPOUND PLAN	
A-3	PROPOSED COMPOUND PLAN	
A-4	SOUTH ELEVATION	
RF-1	RF INFORMATION AND NOTES	
RF-2	RF INFORMATION AND NOTES	
RF-3	RF INFORMATION AND NOTES	
E-1	ELECTRIC AND TELEPHONE ANTENNAS	
E-2	GROUNDING DETAILS	

## LEGAL DESCRIPTION

BEG 167.14 FT W & 30 FT S OF NE COR OF SE 1/4 OF NW 1/4 TH W PLW W N SUB LN 812 FT TH S PLW W SUBD LN 430 FT TH E TO W MCN OF 156TH AVE S E TH N ALG SD MCN TO BEG LESS E 12 FT FOR ST

## ABBREVIATIONS

[illegible]

PROPRIETARY INFORMATION

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.



**RTS**  
PACIFIC TELECOM SERVICES,  
LLC

3828  
REGISTERED  
ARCHITECT  
RICHARD B. HALL  
STATE OF WASHINGTON  
EXPIRATION DATE OF THE  
LICENSE: 08/20/13

PHANTOM LAKE 2  
WA6431  
2803 156TH AVE SE  
BELLEVUE, WA 98007

REVISIONS			
NO.	DATE	DESCRIPTION	BY
1	12/28/16	ISSUED FOR RFP REVIEW	AC
2	01/27/17	FINAL CONSTRUCTION SCHEDULE	SV
3	01/27/17	ISSUED FOR CONSTRUCTION SCHEDULE	AC
4	01/27/17	ISSUED FOR CONSTRUCTION SCHEDULE	AC
5	11/28/17	ISSUED FOR RFP SUBMITTAL	AC

NOT FOR CONSTRUCTION UNLESS  
 LABELED AS CONSTRUCTION SET

SHEET TITLE  
 TITLE SHEET

SHEET NUMBER  
 T-1

## SYMBOLS:

- |  |                             |
|--|-----------------------------|
|  | GRID REFERENCE              |
|  | DETAIL REFERENCE            |
|  | ELEVATION REFERENCE         |
|  | SECTION REFERENCE           |
|  | CONTOUR LINE                |
|  | PROPERTY/LABOR LINE         |
|  | MATCH LINE                  |
|  | WORK POINT                  |
|  | GROUND CONDUCTOR            |
|  | TELEPHONE CONDUIT           |
|  | ELECTRICAL CONDUIT          |
|  | COAXIAL CABLE               |
|  | OVERHEAD SERVICE            |
|  | CONDUITS                    |
|  | GRAFT OR PLASTER            |
|  | BRICK                       |
|  | MASONRY                     |
|  | CONCRETE                    |
|  | EARTH                       |
|  | GRAVEL                      |
|  | PLYWOOD                     |
|  | SAND                        |
|  | WOOD CONTINUOUSLY           |
|  | WOOD BLOCKING               |
|  | STEEL                       |
|  | NEW                         |
|  | EXISTING                    |
|  | NEW ANTENNA                 |
|  | EXISTING ANTENNA            |
|  | GROUND ROD                  |
|  | GROUND BUS BAR              |
|  | MECHANICAL PANEL CONNECTION |
|  | CHAINED                     |
|  | GROUND ACCESS WELL          |
|  | ELECTRIC BOX                |
|  | TELEPHONE BOX               |
|  | LIGHT POLE                  |
|  | NO WORKPOINT                |
|  | SPOT ELEVATION              |
|  | SET POINT                   |
|  | REVISION                    |

PACIFIC TELECOM SERVICES,  
INC.

PHANTOM LAKE 2  
WA643I  
2803 156TH AVE SE  
BELLEVUE, WA 98007

REVISIONS			
NO.	DATE	DESCRIPTION	INITIAL
1	1/22/21	SOLID FOR RFD REVIEW	RC
2	1/27/21	PER CONSTRUCTION COMMENTS	SV
3	1/27/21	REDESIGN CONSTRUCTION COMMENTS	RC
4	1/27/21	REDESIGN CONSTRUCTION COMMENTS	RC
5	1/27/21	REDESIGN CONSTRUCTION COMMENTS	RC
6	1/27/21	SOLID FOR RFD SUBMITAL	RC

NOT FOR CONSTRUCTION UNLESS  
 LABELED AS CONSTRUCTION SET

SHEET TITLE:  
 GENERAL NOTES

SHEET NUMBER  
 G-1





24'-0" SCALE: 1" = 20'-0"  
 12'-0" SCALE: 1" = 40'-0"  
 THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY OF NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.

SITE PLAN 1



VICINITY MAP

- LEGEND**
- SUBJECT BOUNDARY LINE
  - RIGHT-OF-WAY CENTERLINE
  - RIGHT-OF-WAY LINE
  - ADJACENT BOUNDARY LINE
  - SECTIONAL BREAKDOWN LINE
  - BURIED POWER LINE
  - BURIED GAS LINE
  - BURIED TELEPHONE LINE
  - BURIED WATER LINE
  - BURIED SANITARY SINKER
  - BURIED STORM DRAIN
  - DITCH LINE/FLOW LINE
  - ROCK REMAINING WALL
  - VEGETATION LINE
  - CHAIN LINK FENCE
  - WOOD FENCE
  - BARBED WIRE/WIRE FENCE
  - TRANSFORMER
  - LIGHT STANDARD
  - POWER WALT
  - UNITRY BOX
  - UNITRY POLE
  - BARB WIRE
  - GAS METER
  - TELEPHONE RIBBER
  - TELEPHONE WALT
  - 24x24 SPIR ELEVATION
  - BARBED WIRE/WIRE FENCE
  - DATE WALT
  - WATER METER
  - FIRE HYDRANT
  - PRE STAIN PIPE
  - CATCH BASIN, TYPE 1
  - CATCH BASIN, TYPE 2
  - ROAD BOX
  - WALK BOX

**at&t**  
Your world. Delivered.

**RTS**  
PACIFIC TELCOM SERVICES, LLC

**8828**  
**REGISTERED**  
**ARCHITECT**  
**RICHARD E. HALL**  
STATE OF WASHINGTON  
EXPIRATION DATE OF THE  
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**NOT FOR CONSTRUCTION. LINES**  
**UNLESS AS CONSTRUCTION SET**

**REVISIONS**

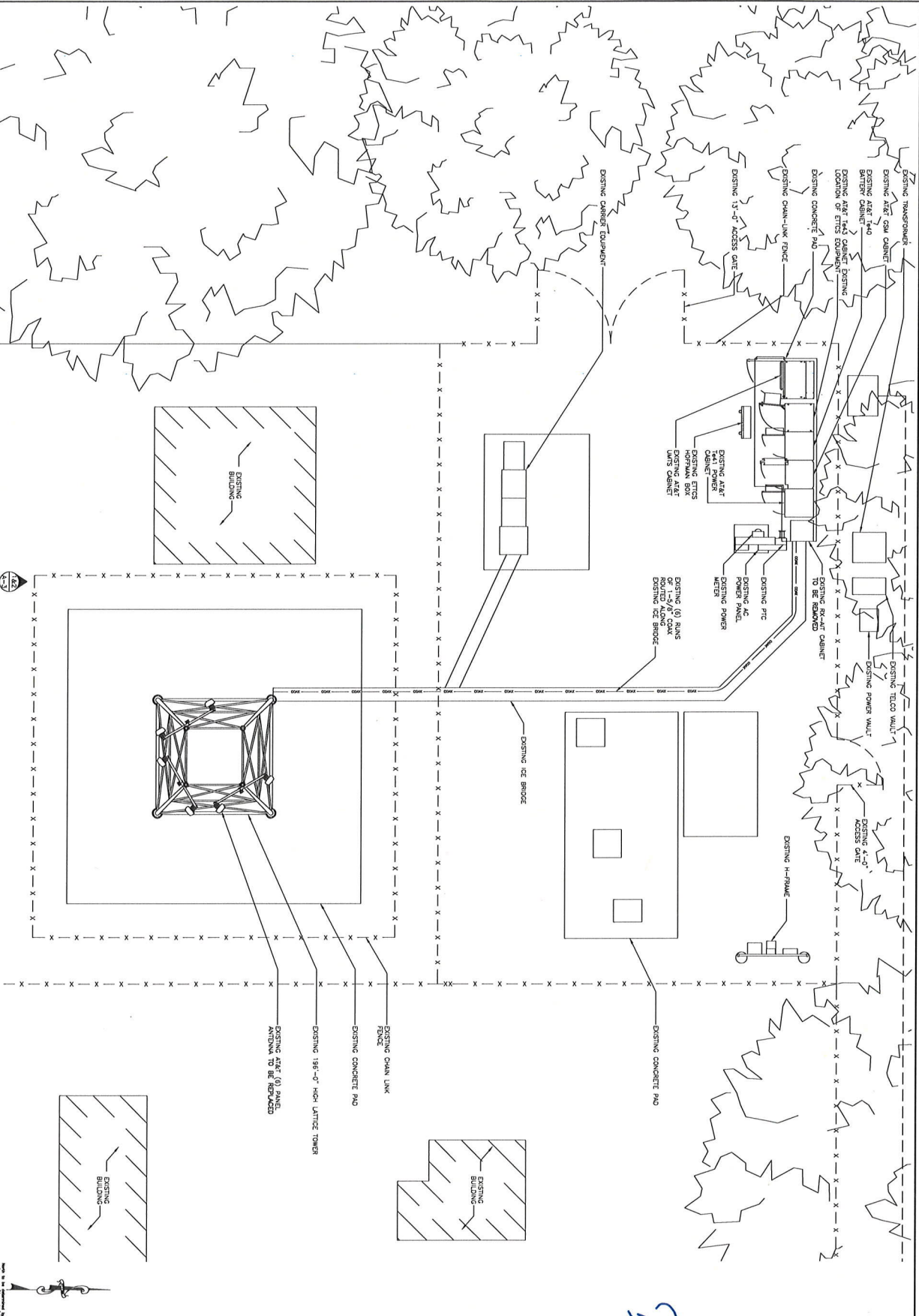
NO.	DATE	DESCRIPTION
1	07/27/11	ISSUED FOR PERMIT REVIEW
2	07/27/11	ISSUED FOR PERMIT REVIEW
3	07/27/11	ISSUED FOR PERMIT REVIEW
4	07/27/11	ISSUED FOR PERMIT REVIEW
5	07/27/11	ISSUED FOR PERMIT REVIEW
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99	07/27/11	ISSUED FOR PERMIT REVIEW
100	07/27/11	ISSUED FOR PERMIT REVIEW

**SHEET TITLE**  
SITE PLAN

**SHEET NUMBER**  
A-1



24.00" SCALE: 1/4" = 1'-0"  
 1/4" = 1'-0"  
 THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.



EXISTING COMPOUND PLAN | 1

REVISIONS	
NO. 1	ISSUED FOR CONSTRUCTION
NO. 2	ISSUED FOR CONSTRUCTION
NO. 3	ISSUED FOR CONSTRUCTION
NO. 4	ISSUED FOR CONSTRUCTION
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NO. 98	ISSUED FOR CONSTRUCTION
NO. 99	ISSUED FOR CONSTRUCTION
NO. 100	ISSUED FOR CONSTRUCTION

8228

REGISTERED ARCHITECT

RICHARD B. HALL

STATE OF WASHINGTON

EXPIRATION DATE OF THE LICENSE: 08/20/13

PHANTOM LAKE 2

WA6431

2803 156TH AVE SE

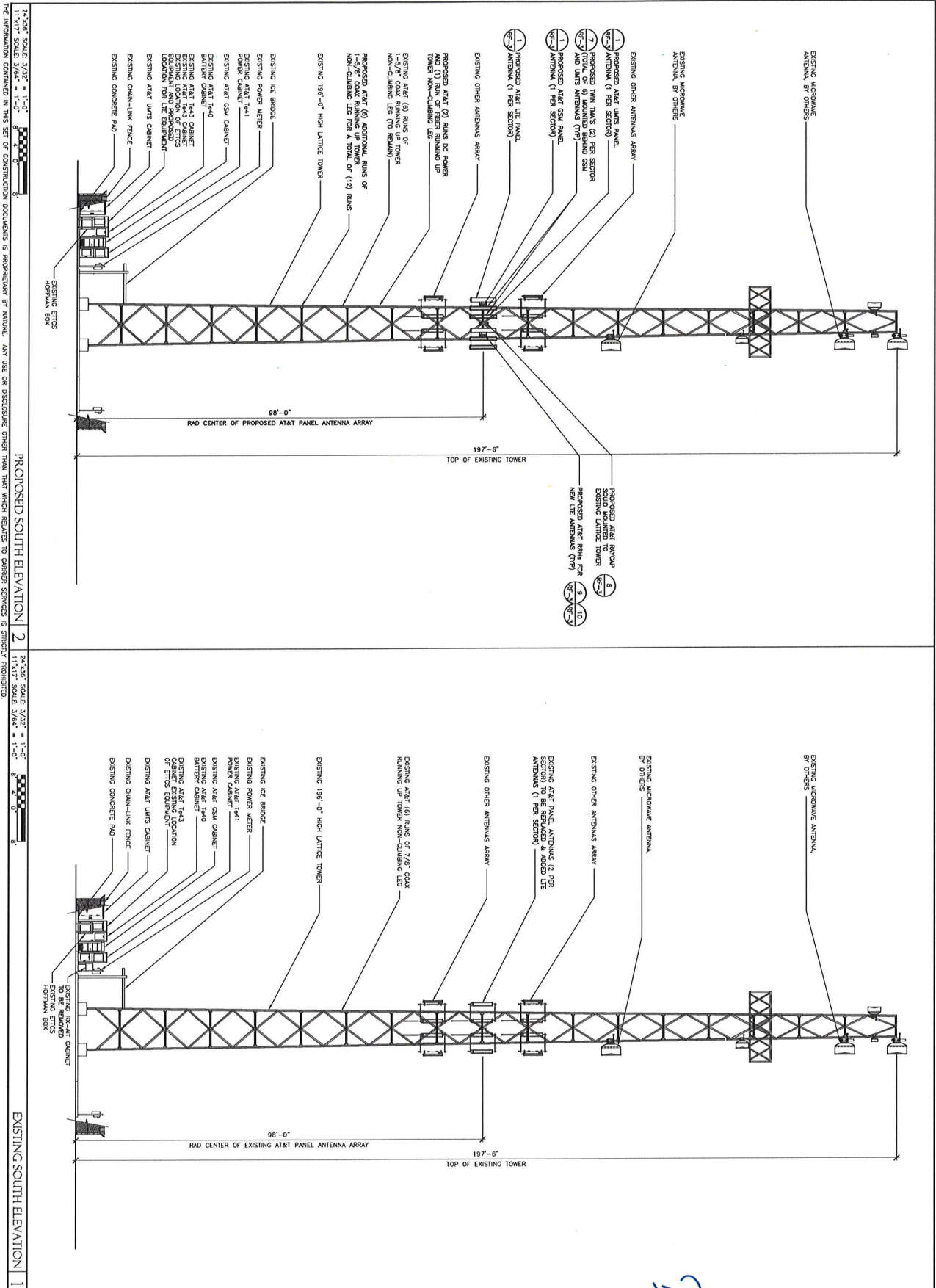
BELLEVUE, WA 98007

Your World. Delivered.


PACIFIC TELCOM SERVICES, LLC

SHEET NUMBER  
A-2





21'-x26" SCALE 3/32" = 1'-0"  
 11'-x17" SCALE 3/64" = 1'-0"  
 INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT WHICH RELATES TO CARRIER SERVICES IS STRICTLY PROHIBITED.



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**PTS**  
PACIFIC TELECOM SERVICES, LLC

8828  
REGISTERED ARCHITECT  
RICHARD B. HALL  
STATE OF WASHINGTON  
EXPIRATION DATE OF THE LICENSE: 08/20/13

# PHANTOM LAKE 2

WA6431

2803 156TH AVE SE  
BELLEVUE, WA 98007

**REVISIONS**

NO.	DATE	DESCRIPTION
1	10/20/11	ISSUED FOR PERMIT REVIEW
2	10/20/11	ISSUED FOR PERMIT REVIEW
3	11/20/11	ISSUED FOR PERMIT REVIEW
4	12/20/11	ISSUED FOR PERMIT REVIEW

**SHEET TITLE**

SOUTH ELEVATION

**SHEET NUMBER**

A-4

NOT FOR CONSTRUCTION UNLESS LABELLED AS CONSTRUCTION SET

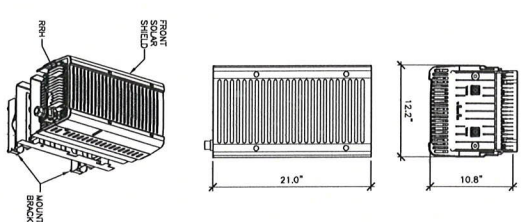




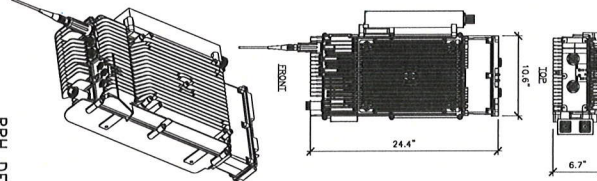




MANUFACTURER: ALCONTE-ULCON  
 MODEL: 5442 RHH 700MHz-13.5 (Lower Band)  
 WIDTH: 12.2"  
 DEPTH: 6.7"  
 HEIGHT: 10.8"  
 WEIGHT: 31 LBS



MANUFACTURER: ALCONTE-ULCON  
 MODEL: 5442 RHH AMS  
 WIDTH: 10.6"  
 DEPTH: 6.7"  
 HEIGHT: 10.8"  
 WEIGHT: 43 LBS

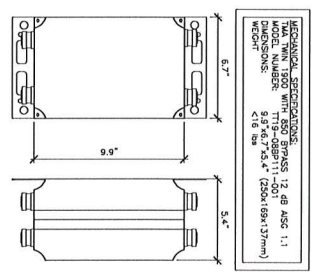


RHH DETAILS  
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 1/8"=1'-0" SCALE

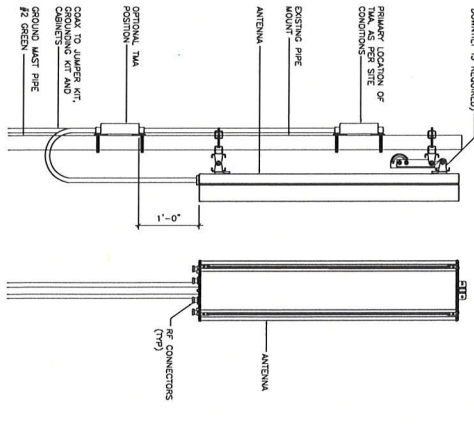
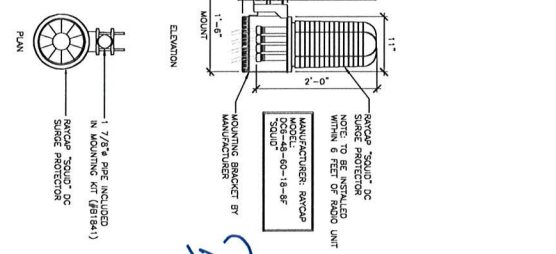
TMA MOUNTING DETAIL  
 1/4"=1'-0" SCALE  
 1/8"=1'-0" SCALE

DIPLEXER SPECIFICATION  
 1/4"=1'-0" SCALE  
 1/8"=1'-0" SCALE

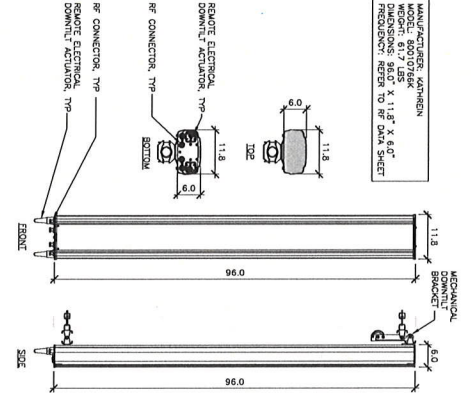
RAYCAP SQUID MOUNTING  
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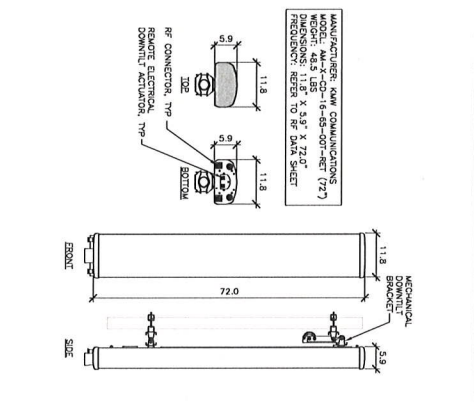
MECHANICAL SPECIFICATIONS  
 SPEAKER FILTER FOR 800 MHz AND 400 MHz WITH DC AUTO  
 SPEAKER NUMBER: 041007-05000  
 DIMENSIONS: 4.92" x 6.85" x 2.27" (124x227x58.3mm)  
 WEIGHT: 6.5 lbs (3.0 kg)



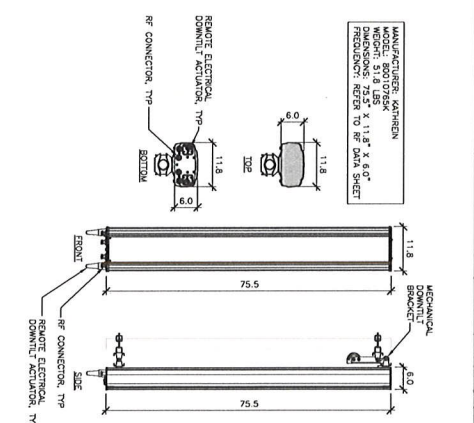
ANTENNA MOUNT DETAIL  
 1/4"=1'-0" SCALE  
 1/8"=1'-0" SCALE



ANTENNA SPECIFICATIONS  
 1/4"=1'-0" SCALE  
 1/8"=1'-0" SCALE



ANTENNA SPECIFICATIONS  
 1/4"=1'-0" SCALE  
 1/8"=1'-0" SCALE



ANTENNA SPECIFICATIONS  
 1/4"=1'-0" SCALE  
 1/8"=1'-0" SCALE

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PREPARED BY MANUFACTURER. ANY USE OR REUSE OF THIS INFORMATION WITHOUT THE WRITTEN PERMISSION OF THE MANUFACTURER IS PROHIBITED.

8328  
REGISTERED  
ARCHITECT  
RICHARD B. HALL  
STATE OF WASHINGTON  
EXPIRATION DATE OF THE  
LICENSE: 08/2013

PHANTOM LAKE 2  
WA6431  
2803 156TH AVE SE  
BELLEVUE, WA 98007

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## PHANTOM LAKE 2

WA6431

2803 156TH AVE SE  
BELLEVUE WA 98007

REVISIONS			
NO.	DATE	DESCRIPTION	INITIALS
1	12/26/10	ISSUED FOR RCD REVIEW	MC
2	07/29/11	FINAL CONSTRUCTION DRAWING	SV
3	07/29/11	RECORD NEW CONSTRUCTION DRAWING	SV
4	11/13/11	RECORD NEW CONSTRUCTION DRAWING	SV
5	11/13/11	RECORD NEW CONSTRUCTION DRAWING	SV
6	12/26/10	ISSUED FOR RCD SUBMITTAL	MC
7			
8			
9			
10			

NOT FOR CONSTRUCTION UNLESS  
LABELED AS CONSTRUCTION SET

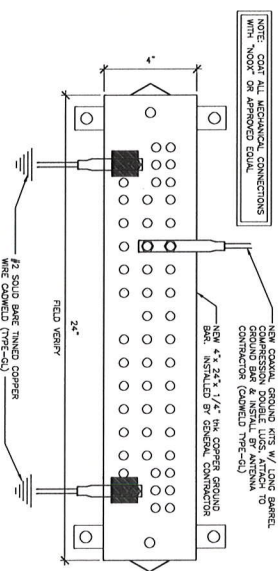
PER ARTICLE 90 OF THE 2008 NATIONAL ELECTRICAL CODE SECTION 90.2(1)(4) THE ELECTRICAL PLAN SHEETS AS SUBMITTED ARE NOT COVERED BY THE NEC AND THEREFORE ARE NOT REQUIRED TO BE REMOVED OR APPROVED BY THE "CITY OF BELLEVUE" ELECTRICAL DIVISION.  
NOTE: ANY SERVICE EQUIPMENT FOR ELECTRICAL POWER WILL NOT TRIGGER ELECTRICAL PLAN REVIEW APPROVAL.

FOR REFERENCE ONLY

SHEET TITLE	GROUNDING DETAIL
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SHEET NUMBER

E-2



24"x36" SCALE: NOT TO SCALE	NOT USED	15
11"x17" SCALE: NOT TO SCALE		

NOT USED

24"x36" SCALE: NOT TO SCALE  
11"x17" SCALE: NOT TO SCALE

14

NOT USED

NOT USED

24"x36" SCALE: NOT TO SCALE  
12"x17" SCALE: NOT TO SCALE

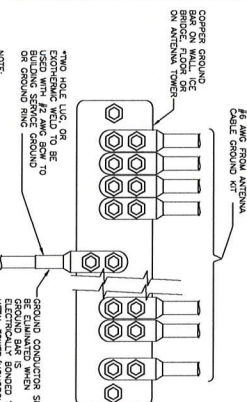
12

NOT USED	11
24-x36 SCALE: NOT TO SCALE	
11-x17 SCALE: NOT TO SCALE	

24"x36" 11"x17"	SCALE: NOT TO SCALE SCALE: NOT TO SCALE	10
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WIRE CADW

GROUND BAR 9

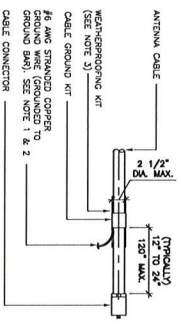


24"x36" 11"x17"	SCALE: NOT TO SCALE SCALE: NOT TO SCALE	NOT USED	8
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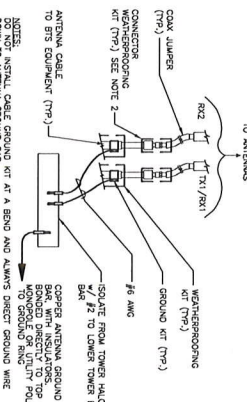
RE INSTALLATION	7
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24"x36" 11"x17"	SCALE: NOT TO SCALE SCALE: NOT TO SCALE	6
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24"x36" 11"x17"	SCALE: NOT TO SCALE SCALE: NOT TO SCALE	5
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NOTES:  
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.  
2. GROUNDING KIT SHALL BE TYPE AND PART NUMBER AS SUPPLIED OR RECOMMENDED BY CABLE MANUFACTURER.  
3. WEATHER PROOFING SHALL BE TWO-PART TAPE KIT, COLD SHRINK SHALL NOT BE USED.



ANTENNA CABLE TO BITS EQUIPMENT (TYP.)

COOPER ANTENNA GROUND BAR, WITH INSULATORS, BONDED DIRECTLY TO POLE MONOPOLE OR UTILITY POLE TO GROUND RING

NOTES:  
DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE WITHIN PROTECTING SHALL BE TWO-PIECE TAP KIT. CO. D. SHOWN SHALL NOT BE USED.

NOT USED

24"x36" SCALE: NOT TO SCALE  
11"x17" SCALE: NOT TO SCALE

4

NOT USED

SCALE: NOT TO SCALE

SCALE: NOT TO SCALE

3

NG CONNECTIONS

24"x36"	SCALE: NOT TO SCALE
11"x17"	SCALE: NOT TO SCALE

2

1001

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